



APPLICATIONS

Eni CLADIUM 500 S SAE 40 is a lubricant of the latest generation, developed for the lubrication needs of those 4-stroke Diesel engines in marine and industrial sectors which, owing to the operating conditions and the high sulfur content of the fuel, require a high performance lubricant with “anti black sludge” properties.

CUSTOMER ADVANTAGES

- **Eni CLADIUM 500 S SAE 40** is a lubricant with high detergent and dispersant properties, which can effectively inhibit the formation of sludges, lacquers and carbon deposits on high temperatures spots of pistons and in piston grooves, preventing ring-sticking.
- This product is able to supply a strong neutralizing action against the corrosive wear due to the acidic products generated by the condensation of the combustion gases of high-sulfur fuel oil. This property is especially useful in those operating conditions when the cylinder wall temperature is low (promoting the condensation of acidic products), and in those engines with a low oil consumption.
- The antiwear characteristics of this product ensure a correct lubrication also for the final reduction gears of the main engines.
- **Eni CLADIUM 500 S SAE 40** has a strong demusibility. This allows an easy separation by centrifugal action of the water that may accidentally contaminate the lubricant charge.
- The properties of this product are especially relevant for those modern engines with a reduced oil consumption, as this condition limits the renewal of fresh oil by refills, and creates a special stress for the lubricant charge.

SPECIFICATIONS - APPROVALS

- API CF





CHARACTERISTICS

Properties	Method	Unit	Typical
Density at 15°C	ASTM D 4052	kg/m ³	923
Viscosity at 100°C	ASTM D 445	mm ² /s	14.8
Viscosity at 40°C	ASTM D 445	mm ² /s	142
Viscosity Index	ASTM D 2270	-	104
Flash point (COC)	ASTM D 92	°C	252
Pour point	ASTM D 97	°C	-9
B. N.	ASTM D 2896	mg KOH/g	50

